DURUM STANDARDS 2023-2024

THIS CHART IS INTENDED TO ACT AS A GUIDE ONLY

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Varietal Restrictions
Varietal restrictions apply to the grades on this chart. A variety must not be binned above its maximum allowable varietal classification.
Durum varieties failing to meet the standards for DR1, DR2 or DR3 must not be binned above FED1.

These standards are to be applied on individual truck loads and must not be averaged over a number of loads.
Segregations indicated on this chart are only available where announced.

Test Code	Binned Grade	DR1	DR2	DR3
MOGR	**Moisture maximum (%)**	12.5	12.5	12.5
PRGR	**Protein minimum (%)**	13.0	11.5	10.0
TWT	**Test Weight minimum (kg/hl)**	76	76	71
SCRN	**Screenings (material below the screen) maximum (% by weight)** Material passing through a 2.0mm slotted screen after 40 shakes.	5.0	5.0	10.0
UNM	**Unmillable Material above the screen maximum (% by weight)** Material other than wheat kernels remaining on top of a 2.0mm slotted screen after 40 shakes. This consists of whiteheads (with grains removed), chaff, backbone, Wild Radish pods, Milk Thistle pods, Skeleton Weed Flowers (Seed Heads), other seedpods and other light material which remains above the 2.00mm screen after a sample of grain is subjected to the screening process. It excludes contaminants for which tolerances have been stated in these standards.	0.6	0.6	1.2
HVK	**Vitreous Kernels minimum (% by count per 300 Grain Sample or approved method)**	80%	70%	No Limit
FALL	**Falling Number minimum (seconds)**	300	300	200
	Defective Grains – Maximum tolerances as per method specified. Note: **NIL** tolerance applies to the entire load. Defective definitions are to be read in conjunction with the photo in the Visual Recognition Standards Guide which depicts the minimum standard for a grain to be classified as **defective**.			
SPRO	**Sprouted maximum (% by count per 300 Grain Sample)** The covering of the germ is split. It includes early and any further advanced stage of growth of the germ. Kernels exhibiting early stages of sprouting are those where the covering of the germ is split, but without further development of the shoot. Grains with pin holes are not included in this definition. **Note: The NIL tolerance for sprouted grains does not apply if a Falling Number analysis is conducted.**	NIL	NIL	NIL
STAN	**Stained maximum (% by count per 300 Grain Sample)** A distinct dark brown to black discolouration on the germ end that, in severe cases, may progress to other parts of the grain such as the crease. Grains are commonly referred to as "black point" or "black tip". Includes streaking and brush-end staining beyond the minimum and up to 50% of the entire grain surface. For staining level greater than 50%, refer to Field Fungi. Also includes adherence of contaminants such as soil, dust, plant parts and other material.	3% (9 grains)	5% (15 grains)	20% (60 grains)
PFUN	**Pink Stained maximum (% by count per 300 Grain Sample)** Grains with distinct pink discolouration. Grains that are pink but also contain a white to light grey fungal like discolouration over more than approximately 50% of the seed coat surface are to be classified as "White Grain Disorder / Head Scab".	2% (6 grains)	2% (6 grains)	5% (15 grains)
WGDH	**White Grain Disorder/Head Scab/Flaked Grain maximum (% by count per 300 Grain Sample)** Grains appear white to light grey but may also contain a pink discolouration. Discolouration must be over more than approximately 50% of the seed coat surface. If the discolouration is less than approximately 50% of the seed coat surface, grains may be classified as sound. Grains may also appear flaky with a white discolouration and may display some level of shrivelling	1% (3 grains)	1% (3 grains)	1% (3 grains)
GREE	**Dry Green or Sappy maximum (% by count per 300 Grain Sample)**	1% (3 grains)	2% (6 grains)	2% (6 grains)
DIST	**Distorted (% by count per 300 Grain Sample)**	1% (3 grains)	2% (6 grains)	2% (6 grains)
DAMI	**Insect Damaged maximum (% by count per 300 Grain Sample)**	1% (3 grains)	1% (3 grains)	1% (3 grains)
ARTD	**Over-Dried Damaged maximum (% by count per 300 Grain Sample)**	NIL	NIL	NIL
BRWT	**Bread Wheat maximum (% by count per 300 Grain Sample)**	3% (9 grains)	3% (9 grains)	5% (15 grains)
FFUN	**Field Fungi maximum (count per half litre)** Individual kernels where more than half (50%) of the seed coat is discoloured. Discolouration can vary from dark grey, brown to black in colour. Grains that are approximately 50% or less discoloured are to be classified as Stained. Does not include Severely Damaged.	10	10	10
SEVE	**Severely Damaged maximum (count per half litre above 2.0mm screen)** Mould, heat damaged/burnt, or other serious visual defects. Grains that have become severely discoloured. Grains appear reddish brown, dark brown,or in severe cases, blackened. Does not include Field Fungi.	1	1	1
SMUT	**All Smuts (except Loose Smut) maximum (entire load)** Includes: Ball Smut, Stinking Smut, Bunt, Covered Smut.	NIL	NIL	NIL
	Foreign Seed Contaminants – Tolerances apply to whole seeds or their equivalent in pieces and refer to the maximum total of all seeds named in each type per half litre. Except TYPE (1) in which the maximum applies on an individual seed basis per half litre.			
WS1	**TYPE(1):** Colocynth, Double Gees/Spiny Emex/Three Cornered Jack, Jute, Long Head Poppy, Mexican Poppy, Opium Poppy, Field Poppy, Horned Poppy, Wild Poppy, New Zealand Spinach, Parthenium Weed** (QLD only)	8*	8*	8*
WS2	**TYPE(2):** Castor Oil Plant, Coriander, Crow Garlic/ Wild Garlic, Darling Pea, Parthenium Weed** (NSW/VIC/SA), Peanut seeds and pods, Ragweed, Rattlepods, Starburr, St. John's Wort	NIL	NIL	NIL
WS3A	**TYPE(3a):** Bathurst Burr, Bellvine, Branched Broomrape, Bulls Head/Caltrop/Cats Head, Cape Tulip, Cottonseed, Dodder, Noogoora Burr, Thornapple	2	2	2
WS3B	**TYPE(3b):** Vetch (Tare), Vetch (Commercial)	4	4	4
WS3C	**TYPE(3c):** Heliotrope (Blue), Heliotrope (Common) ****Note: included in this Type are tolerances for seeds or pods.	2 Pods / 8 Seeds	2 Pods / 8 Seeds	2 Pods / 8 Seeds
WS4	**TYPE(4):** Bindweed (Field), Cutleaf Mignonette, Darnel (Drake Seed), Hexham Scent/King Island Melilot ***(only acceptable if no tainting odour is present), Hoary Cress, Mintweed, Nightshades, Paddy Melon, Skeleton Weed, Variegated Thistle	20	20	20
WS5	**TYPE(5):** Knapweed (Creeping/Russian), Sesbania Pea, Patterson's Curse/ Salvation Jane	40	40	40
WS6	**TYPE(6):** Colombus Grass, Johnson Grass, Saffron Thistle	10	10	50
WS7A	**TYPE(7a):** Adzuki Beans, Broad Beans, Chickpeas, Corn (Maize), Cowpea, Faba Beans, Lentils, Lupins, Peas (Field), Medic Pods, Safflower, Soybean, Sunflower and any other seeds or pods greater than 5mm in diameter. Includes Onion Weed Pods regardless of size	1	1	10
WS7B	**TYPE(7b):** Barley (2 & 6 row), Bindweed (Australian), Bindweed (Black), Brome Grass, Carrot Weed, Bread wheat, Red/Spring Feed Wheats, Oats (Black or Wild)*******, Oats (Sand), Oats (Common), Rice, Rye (Cereal), Ryegrass on Stalk, Sorghum (Grain), Triticale, Turnip Weed Pod and any other foreign seed not specified in Types 1-7(a), Unmillable Material above the 2.0mm screen or in SFS.	50	50	150
SFS	**Small Foreign Seeds (SFS) maximum (% by weight)** Foreign seeds not already specified in Types 1-7(b) that fall below the 2.0mm screen during the screenings process.	0.6%	0.6%	1.2%
	* Individual Seed Basis ** Parthenium Weed is a NIL tolerance in NSW/VIC/SA *** Hexham Scent is only acceptable if no tainting odour is present **** Heliotrope pods must be opened and the seeds counted ******Counted individually if clustered			
	Other Contaminants – Maximum tolerances as per method specified. Note: **NIL** tolerance applies to the entire load.			
PICK	**Pickling Compounds maximum (entire load)**	NIL	NIL	NIL
CHEM	**Chemicals Not Approved for Durum maximum (entire load)**	NIL	NIL	NIL
ERGR	**Ryegrass Ergot maximum (length in cm when pieces are aligned per half litre)**	2cm	2cm	2cm
ERGW	**Cereal Ergot maximum (count per half litre)**	1	1	1
LIVE	**Stored Grain Insects and Pea Weevils: Live maximum (entire load)**	NIL	NIL	NIL
INLG	**Field Insects – Large, dead or alive maximum (count per half litre)** Includes: Pea Weevil (dead only), Sitona Weevil, Rutherglen bugs, ladybirds, grasshoppers and wood bugs, whole or parts thereof. These are insect contaminants of grain that do not cause damage to stored grains.	3	3	3
INSM	**Field Insects – Small, dead or alive maximum (count per half litre)** Includes: all species of aphid, minute mould beetle, mites & stored grain insects (dead only). These are insect contaminants of grain that do not cause damage to stored grains.	10	10	10
SNAL	**Snails (Live or Dead) maximum (count per half litre)**	1	1	1
GUMN	**Gumnuts maximum (count per 2.5L) -** Whole or pieces of any size and maturity level	1	1	1
EAR	**Earcockle maximum (count per half litre)**	10	10	10
LSMT	**Loose Smut maximum (count per half litre)**	3	3	3
SAND	**Sand maximum (count per half litre)**	20	20	20
EART	**Earth maximum (count per half litre)** Defined as a clod of dirt, being 5mm or less in diameter.	1	1	1
STON	**Stones (g per 2.5L above 2.0mm screen)** Maximum weight of all stones retained above a 2.0mm screen per 2.5L	4.0	4.0	4.0
OBJM	**Objectional Material maximum (entire load)** Presence of meat meal, blood meal, fish meal, poultry offal meal or other animal proteins. Sticks/Stubble (>3cm in length and/or 1cm in diameter), glass, concrete, metal, fertiliser, animal excreta, animal carcasses, tainting agents or any other commercially unacceptable contaminant, odour or taste.	NIL	NIL	NIL
OFM	**Other Foreign Material Maximum (% by weight)** Includes: fine material (dust and minerals), pieces of snail shell (<half), pieces of stored grain insects, other non-vegetative material not listed.	0.1%	0.1%	0.1%

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